IN THE CLAIMS:

Please amend the following claims:

C 2 (Thrice Amended) A method for producing an antimycobacterial compound of the formula:

$$\begin{array}{c|c}
R_1 \\
R_2
\end{array}$$

wherein R₁ is H; and

wherein R_2 is phenyl, substituted phenyls, napthyls and substituted napthyls or wherein $R_1R_2 = R_1$ when taken together with R_2 form optionally substituted carbocyclic groups; which comprises:

refluxing

with absolute ethanol to produce a solution;
adding a carbonyl compound comprising the formula of:

 R_3COR_4 (2)

wherein $R_3 = H$ or CH_3 ; and

wherein $R_4 = C_1$ to C_{14} alkyl, C_2 to C_{10} substituted alkyl, C_2 to C_{10} alkenyl, C_2 to C_9 substituted dialkenyl, C_3 to C_7 cycloalkyl, C_3 to C_7 substituted cycloalkyl, phenyl, substituted phenyl, C_7 to C_{16} phenylalkyl, C_7 to C_{16} substituted phenylalkyl, benzyl, substituted benzyl, naphthyl, substituted naphthyl, heterocycle, substituted heterocycle, halo, hydroxy, amino, or carboxy; or

wherein $R_3R_4 = R_3$ when taken together with R_4 form C_4 to C_8 cycloalkyl or C_4 to C_{10} substituted cycloalkyl;

to the solution to produce a reaction mixture, the reaction mixture having a mole ratio of carbonyl compound to compound (1) of 1.67 to 1.00;

distilling the reaction mixture;

precipitating a solid from the reaction mixture;

filtering the solid; and

di(CH₃)-4-O-C₇H₇, 2-F-4-OCH₃C₆H₃, 2-ClC₆H₄, 4-BrC₆H₄, 3-C₆H₄NO₂, 4-C₆H₄O(CH₂)₅CH₃, 2-

4-C₆H₄NO₂, 2-C₆H₄OH, 4-OH-3-OCH₃C₆H₃, 4-C₆H₄OCH₃, 3-C₆H₄OCH₃, 4-C₆H₄F, 3,5-

$$\label{eq:cl-5-NO2C6H3} \begin{split} &\text{Cl-5-NO}_2\text{C}_6\text{H}_3,\, 4\text{-Cl-3-NO}_2\text{C}_6\text{H}_3,\, 2\text{-C}_6\text{H}_4\text{NO}_2,\, 2\text{-6-di}(\text{Cl})\text{C}_6\text{H}_3,\, 2\text{,3-di}(\text{Cl})\text{C}_6\text{H}_3,\, 3\text{,4-di}(\text{F})\text{C}_6\text{H}_3,\, 2\text{,6-di}(\text{F})\text{C}_6\text{H}_3,\, 3\text{,4-di}(\text{Cl})\text{C}_6\text{H}_3\, \text{or}\, 4\text{-C}_6\text{H}_4\text{Cl}. \end{split}$$

$$\frac{4}{26}$$
. (previously added) The method of claim 17 wherein R₂ of compound I =

or

5 27. (previously added) The method of claim 17 wherein R₁R₂ of compound I is

or